



# NOVA

6, 12 & 24V Steel Battery Units

Project Name: \_\_\_\_\_ Model Number: \_\_\_\_\_  
Prepared By: \_\_\_\_\_ Date: \_\_\_\_\_

## FEATURES & BENEFITS

- Universal mounting plate for effortless installation
- OBM option for octagon box mount
- 6V, 12V or 24V up to 720W
- 120VAC removable line cord is supplied standard on voltages up to 12V on the 36W units, and up to 12V on the 72W units
- 18 gauge steel cabinet
- Supplied with two top mounted small style 9W thermoplastic heads, other lamps available.
- Utilizes a temperature compensated charger with low voltage disconnect protection
- CSA 22.2 No. 141-15 Performance Certified

## BATTERY TECHNOLOGY

Designed with a maintenance free, sealed valve regulated lead acid battery that provides a minimum emergency duration of 30 minutes (for the listed rating). Ni-Cd batteries are optional. Recharge time of the battery is 24 hours. The maximum battery operating temperature is +25°C and the minimum is +10°C. A +40°C operating temperature is available, please consult the factory.

## BELUCE AUTO-TEST (AT) - OPTIONAL

The BeLuce auto-test system automatically performs one 5 minute discharge test monthly and every 6 months it performs two 30 minute discharge tests, 24 hours apart. This tests both full battery capacity and recharge capability.

## ORDERING GUIDE

| NV - - - - - |                                             |                        |                                                                                                                                                                                           |                    |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------|---------------------------------------------|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SERIES       | OPERATION                                   | CAPACITY               | HEADS                                                                                                                                                                                     | LAMP TYPE          | AC VOLTAGE             | OPTIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| NV           | 6 (Volt DC)<br>12 (Volt DC)<br>24 (Volt DC) | See model rating guide | 0 (None)<br>1SR (Plastic, 1 head)<br>2SR (Plastic, 2 heads)<br>1BTMR (Metal, 1 head)<br>2BTMR (Metal, 2 heads)<br>2LR (PAR36, 2 heads)<br>1TESSQ (One head, HO)<br>2TESSQ (Two heads, HO) | See lamp selection | 120/347 V<br>120/277 V | NC (Ni-Cd batteries, see guide)<br>CC (Custom colour - specify)<br>TLP (Twist lock plug - 120V only)<br>CT (Cabtire cord set)<br>2OBM (Octagon box mount)<br>LC (Line cord - 120V only)<br>AT (Auto-test self- diagnostics)<br>1RFS (Radio frequency suppression)<br>IRT (Infra-red remote test)<br>MS (Mounting shelf)<br>HHC (Hand held controller)<br>SM (Side mount heads)<br>A (Ammeter)<br>1TD (Time delay - specify 5, 10, 20 mins)<br>LD (Lamp disconnect)<br>WG (Wireguard)<br>ACTB (Terminal block AC)<br>DCTB (Terminal block DC)<br>BD (Battery disconnect)<br>3CPS (Constant power supply)<br>ADA (Audible alarm)<br>4FAI (Fire alarm interface - specify type)<br>FD5 (5 circuit fuse distribution)<br>120/277V (120/277V input)<br>TP (Tamper proof screws)<br>V (Voltmeter)<br>HT (High operating temperature)<br>5ZSP (Zone sensing panel) |

NOTE: 1Single AC voltage must be specified; 2No line cord; 3120V only; 4Specify open/closed/6-24 VDC; 5120V NV-ZSP: qty of zones (2-4), max 6V180W, 12V360W, 24V360W (not available with all options); 347V NV-ZSP: qty of zones (2-4), max 6V180W, 12V360W, 24V320W (not available with all options).

## LAMP SELECTION

|                          | 6V      | 12V                      | 24V                       | 12V – 24V |
|--------------------------|---------|--------------------------|---------------------------|-----------|
| Composite Tungsten       | 7.2, 9W | 9, 12, 18W               | 9, 18W (25 W, PAR36 only) | N/A       |
| Quartz (Q)               | 12W     | 12, 20 (55W, PAR36 only) | N/A                       | N/A       |
| LED-MR16                 | 5, 7W   | 2, 5, 7W                 | 5, 7W                     | 5, 7W     |
| MR16                     | N/A     | 20, 35, 50W              | N/A                       | N/A       |
| LED Module               | 3, 4W   | 3, 4W                    | N/A                       | N/A       |
| TES                      | N/A     | 5, 9, 14, 30W            | 5, 9, 14, 30W             | N/A       |
| Sealed Beam (PAR36 only) | N/A     | 6W                       | 6W                        | N/A       |

NOTE: MR16 max 12W in SR head



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## DIMENSIONS

FIGURE A

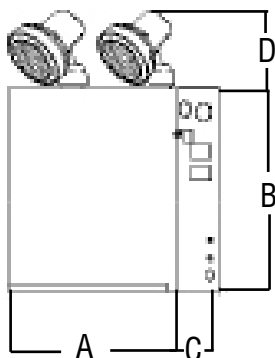
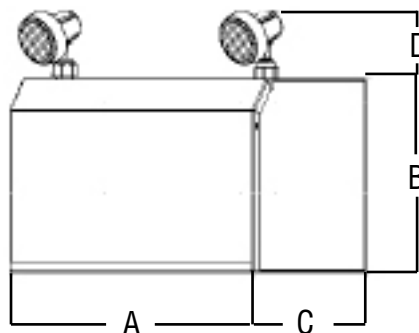


FIGURE B



| UNIT SIZE                                  | A               | B               | C              | D                                 | STEEL CABINET GAUGE | DRAWING |
|--------------------------------------------|-----------------|-----------------|----------------|-----------------------------------|---------------------|---------|
| (6V 18-50W) (12V 36-72W)                   | 12 1/4" (311mm) | 5" (127mm)      | 3" (76mm)      | will vary based on heads supplied | 20                  | A       |
| (6V 72-90W) (12V 90W)                      | 10" (254mm)     | 9" (228mm)      | 3 1/4" (82mm)  |                                   | 20                  | A       |
| (6V 100-180W)(12V 120-300W)(24V 144- 320W) | 13 1/2" (343mm) | 10 1/8" (257mm) | 4 1/4" (108mm) |                                   | 18                  | B       |
| (12V 360W)                                 | 13" (330mm)     | 10 1/8" (257mm) | 8 1/2" (216mm) |                                   | 18                  | B       |
| (24V 350-720W)                             | 18 1/8" (460mm) | 10 1/8" (257mm) | 8 1/2" (216mm) |                                   | 18                  | B       |

## MODEL RATING GUIDE

| MODEL        | VOLTAGE |       |        |
|--------------|---------|-------|--------|
|              | 30MIN   | 90MIN | 120MIN |
| NV-6-18      | 18      | n/a   | n/a    |
| NV-6-36      | 36      | 12    | 10     |
| NV-6-40      | 40      | 18    | 12     |
| NV-6-50      | 50      | 18    | 15     |
| NV-6-50-NC   | 50      | 22    | 18     |
| NV-6-72      | 72      | 27    | 22     |
| NV-6-80      | 80      | 27    | 24     |
| NV-6-90      | 90      | 36    | 27     |
| NV-6-100-NC  | 100     | 42    | 35     |
| NV-6-160     | 160     | 60    | 48     |
| NV-6-180     | 180     | 72    | 54     |
| NV-6-180-NC  | 160     | 90    | 60     |
| NV-12-36     | 36      | n/a   | 10     |
| NV-12-72     | 72      | 27    | 22     |
| NV-12-90     | 90      | 36    | 27     |
| NV-12-100-NC | 100     | 45    | 35     |
| NV-12-120    | 120     | 65    | 36     |
| NV-12-150    | 150     | 65    | 45     |
| NV-12-180    | 180     | 72    | 54     |
| NV-12-200-NC | 200     | 90    | 65     |
| NV-12-200    | 200     | 72    | 60     |
| NV-12-250    | 250     | 108   | 75     |
| NV-12-360    | 360     | 180   | 108    |
| NV-24-144    | 144     | 60    | 43     |
| NV-24-180    | 180     | 72    | 54     |
| NV-24-200-NC | 200     | 100   | 65     |
| NV-24-320    | 320     | 136   | 96     |
| NV-24-350    | 350     | 144   | 108    |
| NV-24-550    | 550     | 220   | 180    |
| NV-24-720    | 720     | 360   | 235    |



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## PRE-BUILT INVENTORY

| ORDERING CODE | SHORT DESCRIPTION           | LONG DESCRIPTION                                                                                             |
|---------------|-----------------------------|--------------------------------------------------------------------------------------------------------------|
| 11500025      | NV12120-0-120347V           | NOVA SERIES STEEL BATTERY UNIT 12V 120W FOR 30 MIN NO HEAD WHITE FINISH 120347V INPUT                        |
| 11501476      | NV12120-2SR5WLED-120347V    | NOVA SERIES STEEL BATTERY UNIT 12V 120W FOR 30 MIN 2 PAR18 HEADS 5WLED MR16 LAMPS WHITE FINISH 120347V INPUT |
| 11501790      | NV12120-2SR9W-120347V       | NOVA SERIES STEEL BATTERY UNIT 12V 120W FOR 30 MIN 2 PAR18 HEADS 9W LAMPS WHITE FINISH 120347V INPUT         |
| 11501337      | NV12150-0-120347V           | NOVA STEEL BATTERY UNIT 12V 150W FOR 30 MIN NO HEADS WHITE FINISH 120347V INPUT                              |
| 11501759      | NV12150-2SR5WLED-120347V    | NOVA STEEL BATTERY UNIT 12V 150W FOR 30 MIN 2 PAR18 HEADS 5W LED MR16 LAMPS WHITE FINISH 120347V INPUT       |
| 11500051      | NV12150-2SR9W-120347V       | NOVA STEEL BATTERY UNIT 12V 150W FOR 30 MIN 2 PAR18 HEADS 9W LAMPS WHITE FINISH 120347V INPUT                |
| 11501362      | NV12200-0-120347V           | NOVA STEEL BATTERY UNIT 12V 200W FOR 30 MIN NO HEAD WHITE FINISH 120347V INPUT                               |
| 11501946      | NV12200-2SR5WLED-120347V    | NOVA STEEL BATTERY UNIT 12V 200W FOR 30 MIN 2 PAR18 HEADS 5W LED MR16 LAMPS WHITE FINISH 120347V INPUT       |
| 11501369      | NV12200-2SR9W-120347V       | NOVA STEEL BATTERY UNIT 12V 200W FOR 30 MIN 2 PAR18 HEADS 9W LAMPS WHITE FINISH 120347V INPUT                |
| 11500069      | NV12250-0-120347V           | NOVA STEEL BATTERY UNIT 12V 250W FOR 30 MIN NO HEAD WHITE FINISH 120347V INPUT                               |
| 11500020      | NV12250-2SR9W-120347V       | NOVA STEEL BATTERY UNIT 12V 250W FOR 30 MIN 2 PAR18 HEADS 9W LAMPS WHITE FINISH 120347V INPUT                |
| 11500073      | NV12360-0-120277347V        | NOVA STEEL BATTERY UNIT 12V 360W FOR 30 MIN NO HEAD WHITE FINISH 120277347V INPUT                            |
| 11501449      | NV12360-2SR5WLED-120277347V | NOVA STEEL BATTERY UNIT 12V 360W FOR 30 MIN 2 PAR18 HEADS 5W LED MR16 LAMPS WHITE FINISH 120277347V INPUT    |
| 11500027      | NV12360-2SR9W-120277347V    | NOVA STEEL BATTERY UNIT 12V 360W FOR 30 MIN 2 PAR18 HEADS 9W LAMPS WHITE FINISH 120277347V INPUT             |
| 11502070      | NV1236-2SR5WLED-120347V     | NOVA STEEL BATTERY UNIT 12V 36W FOR 30 MIN 2 PAR18 HEADS 5W LED LAMPS WHITE FINISH 120347V INPUT             |
| 11502054      | NV1236-2SR7WLED-120347V     | NOVA STEEL BATTERY UNIT 12V 36W FOR 30 MIN 2 PAR18 HEADS 7W LED LAMPS WHITE FINISH 120347V INPUT             |
| 11501838      | NV1272-2SR5WLED-120347V     | NOVA STEEL BATTERY UNIT 12V 72W FOR 30 MIN 2 PAR18 HEADS 5W LED LAMPS WHITE FINISH 120347V INPUT             |
| 11501754      | NV1272-2SR7WLED-120347V     | NOVA STEEL BATTERY UNIT 12V 72W FOR 30 MIN 2 PAR18 HEADS 7W LED LAMPS WHITE FINISH 120347V INPUT             |
| 11500088      | NV1272-2SR9W-120347V        | NOVA STEEL BATTERY UNIT 12V 72W FOR 30 MIN 2 PAR18 HEADS 9W LAMPS WHITE FINISH 120347V INPUT                 |
| 11500017      | NV1290-2SR9W-120347V        | NOVA STEEL BATTERY UNIT 12V 90W FOR 30 MIN 2 PAR18 HEADS 9W LAMPS WHITE FINISH 120347V INPUT                 |
| 11502042      | NV636-2SR5WLED-120347V      | NOVA STEEL BATTERY UNIT 6V 36W FOR 30 MIN 2 PAR18 HEADS 5W LED LAMPS WHITE FINISH 120347V INPUT              |
| 11503285      | NV636-2SR7WLED              | NOVA STEEL BATTERY UNIT 6V 36W FOR 30 MIN 2 PAR18 HEADS 7W LED LAMPS WHITE FINISH 120347V INPUT              |
| 11500122      | NV636-2SR9W-120347V         | NOVA STEEL BATTERY UNIT 6V 36W FOR 30 MIN 2 PAR18 HEADS 9W LAMPS WHITE FINISH 120347V INPUT                  |
| 11500123      | NV640-2SR9W-120347V         | NOVA STEEL BATTERY UNIT 6V 40W FOR 30 MIN 2 PAR18 HEADS 9W LAMPS WHITE FINISH 120347V INPUT                  |